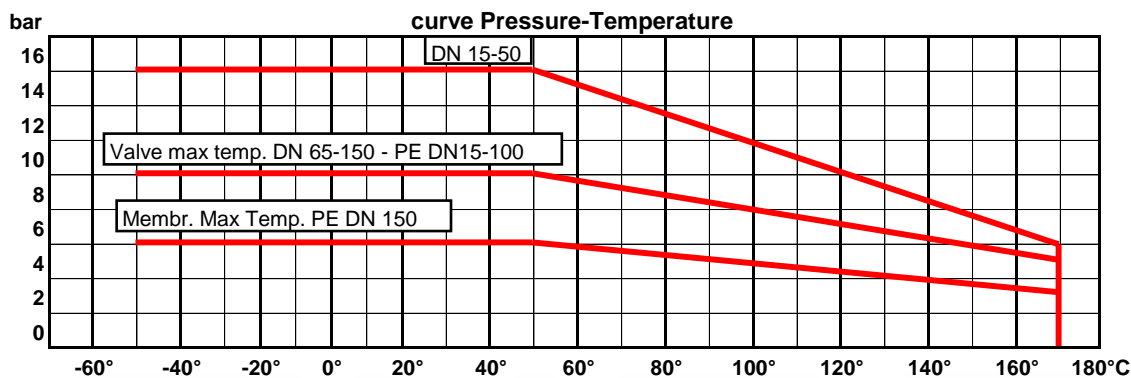


Best plant and service economy  
 Top safety including possible monitoring. (Patent)  
 Easy maintenance: easy diaphragm change on line.  
 Easy change from manual to actuation even on line. (Patent)  
 The best valves also with fluids including solid particles.  
 Available for vacuum applications.  
 Visible positioner and possible fine regulation.  
 Database for almost every fluid.



	Type Body coating
<b>BASE</b>	Nodular cast iron plus Polyester varnish polymerized in oven to 200°C, matt black RAL011
<b>RUBBER</b>	Ebonite (hard rubber), soft rubber (not abrasive), Butyl, Polychloroprene, EPDM, Hypalon
<b>VARNISH</b>	borosilicate glass, high resistance to both diluted and concentrated acids
<b>HALAR</b>	Resistent to most chemical fluids
<b>POLYPROPYLENE</b>	Vast applications of all sort of fluids aggressive, corrosive and abrasive (including dangerous ones in every respect) sometime with not negligible high temperatures.
<b>PVDF</b>	polyvinylidene fluoride, resistance to both most basic and acids
<b>ETFE</b>	Copolymer ethylene-tetrafluoroethylene (TEFZEL), resistance to both chemical agents and temperature
<b>PFA</b>	perfluoroalkoxy alkane, resistance to both chemical agents and temperature

Rivestimento	Temperature Limits											
	-20°	0°	20°	40°	60°	80°	100°	120°	140°	160°	180°	
Ebanite		-10										
Polipropilene		-10										
Neoprene		-10										
Butile & Halar		-10										
PVDF		-10										
ETFE		-10										
PFA & Smalto		-10										



cast iron



glass



HALAR



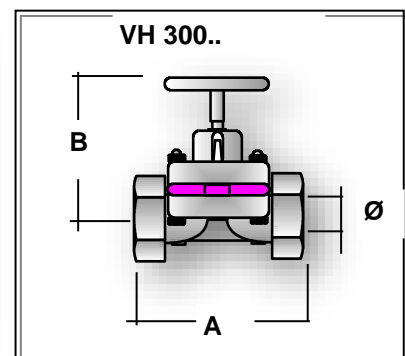
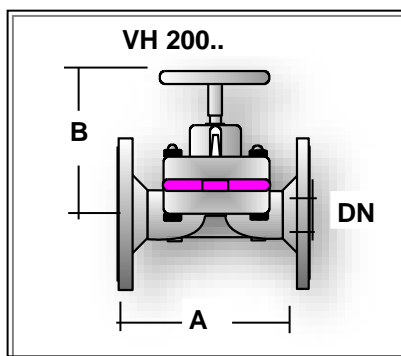
rubber

FALANGES CONNECTIONS							
Code	DN	BS 5156			DIN 3202 F1		
		A <sup>1)</sup>	B <sup>2)</sup>	PESO	A <sup>1)</sup>	B <sup>2)</sup>	WEIGHT
		mm	mm	Kg	mm	mm	Kg
VN 2..04	15	108	126	3	130	126	3
VN 2..05	20	117	120	3	150	120	3
VN 2..06	25	127	146	4	160	146	4
VN 2..07	32	146	150	6	180	150	6
VN 2..08	40	159	173	8	200	173	8
VN 2..09	50	190	212	11	230	212	11
VN 2..10	65	216	232	16	290	232	17
VN 2..11	80	254	260	23	310	260	24
VN 2..12	100	305	297	33	350	297	36
VN 2..13	125	356	308	51	400	308	55
VN 2..14	150	406	406	69	480	406	75
VN 2..15	200	521	507	152	600	507	153

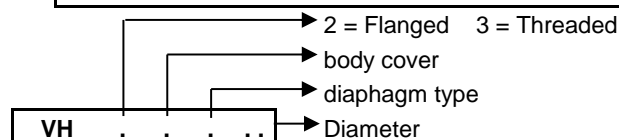
THREADED CONNECTIONS				
Code	Ø	A <sup>1)</sup>	B <sup>2)</sup>	WEIGHT
		mm	mm	Kg
VN 3..04	1/2"	67	119	2
VN 3..05	3/4"	80	113	3
VN 3..06	1"	105	151	4
VN 3..07	1 1/4"	120	155	6
VN 3..08	1 1/2"	140	181	7
VN 3..09	2"	165	222	10
VN 3..10	2 1/2"	200	245	13
VN 3..11	3"	250	270	18

1) Add 6 mm with cover

2) valve total opening



## CODE KEY



Code	BODY COVER	
VN .0 . . .	NOT COVER	-10 +85°
VN .1 . . .	EBONITE	-10 +85°
VN .2 . . .	POLYPROPYLENE	-10 +95°
VN .3 . . .	NEOPRENE	-10+105°
VN .4 . . .	BUTYL	-10+120°
VN .5 . . .	HALAR	-10 +120°
VN .6 . . .	PVDF	-10+140°
VN .7 . . .	EFTE	-10+150°
VN .8 . . .	PFA	-10+175°
VN .9 . . .	ENAMEL	-10+175°

ACCESSORIES		FEATURING	
Ends Stop	Gauge	Norme: BS 5156, DIN 3202 F1	
position transductor	Connections	Flanged: ISO, ANSI, BS, DIN, JIS, UNI	
limit switch	Diameter	Female threaded: ISO, API, BS, NPT	
Postioner	Pressure	Flanged valves: DN15 ÷ 300	
Leverage		Threaded Valves: Ø 1/4" ÷ 3"	
Locked		PN16/10/6	

Code	Material		Sigla	Application	Temperature
VN . . 0 . .	S1	Natural/synthetic rubber	IR	water, salt, acid	-40 /+ 80 °C
VN . . 1 . .	S5	Natural rubber	IR	Abrasive Flow	-40 - 80 °C
VN . . 2 . .	LB	Butyl rubber	IIR	gas, acid, alkaline	-30/ + 130 °C
VN . . 3 . .	MN	nitrile rubber (Buna-Nr)	NBR	oil, greas	-20 /+ 110 °C
VN . . 4 . .	ME	Terpolymer Ethylene Propene	EPDM	hot water, acid	-40 /+ 130 °C
VN . . 5 . .	HS	chlorosulphonated polyethylene (Hypalon)	CSM	water drinkable	-10/ +120 °C
VN . . 6 . .	MC	Polychloroprene	CR	air, oil, greas	-20/ + 200 °C
VN . . 7 . .	PE	polytetrafluoroethylene	PTFE	foods, chemical and official product	-10/ +180 °C
VN . . 8 . .	HF	Fluoroelastomer (Viton)	FPM	chlorine, hydrogen sulphate, aromatic hydroc	-10 / +150 °C
VN . . 9 . .	MS	Silicone	SI	solvent , natural oil	-50/ x >180 °C

Range temperature are purely indicative, may change depending on the operating conditions

**VALVOIND Srl** Via Pascoli, 5 - 24060 Bagnatica (Bergamo) Tel. 035.681919-Fax. 035.684461

The "200" series hydro - valve is a direct closing diaphragm valve.  
 Their operation does not need auxiliary energy because the pressure of the aqueduct supply fluid is used, which must be at least 1 bar.  
 The hydrovalves open and slowly appear, eliminating the water hammer.  
 They are both easy to install and maintenance and it is not necessary to dismantle the valve for membrane replacement.  
 They have the dual function: the automatic one and the manual interception one.  
 It is suitable for fluid control and particularly for wastewater. For fire-fighting systems, they are guaranteed for ten years of inactivity. They are in full passage and have a perfect seal, also allow the passage of solid bodies. The painting of the valve and the membrane are non-toxic. The same hydrovalve is able to fulfill different functions simultaneously. They are absolutely silent.

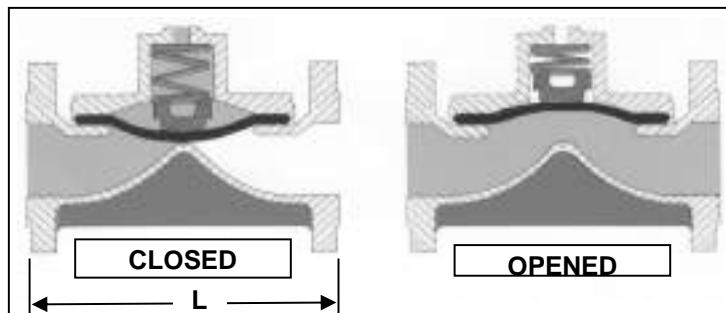


**IMPORTANT : fluid differential pressure should be = OR > a 1 bar**

APPLICATION : municipal water system, sewer, chemical industry  
 hospital , sprinkler system, pharmaceutical industry

**Operating limits**

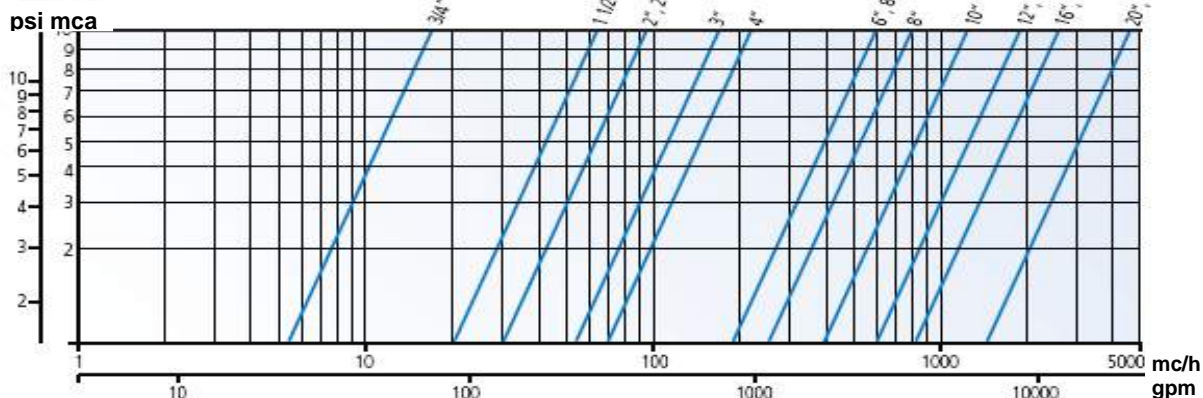
minimum differential pressure : 1 bar  
 maximum differential pressure : 25 bar









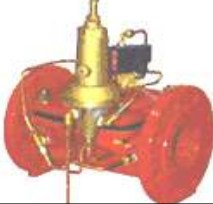





Body: nodular cast iron, bronze, carb steel, stainless steel  
 Diaphragm: rubber, nitrile rubber, EPDM  
 Covering: polyester painting, epossidic painting, enamel ECTFE painting, rubber, Nylon and other ones  
 Check instruments: brass, stainless steel acciaio inox

HYDRAULIC VALVES		Threaded PN 16		FLANGED C.IRON		THREADED		L	FLANGED		L
Descrizione	Body	C.IRON	PLASTIC	PN 16	PN 25	code	Ø	mm	code	Ø	mm
Manual valve		VH 101..	VH 201..	VH 501..	VH 601..	..05	3/4"	112	..09	DN 50	200
Electric valve		VH 105..	VH 205..	VH 505..	VH 605..	..06	1"	116	..10	DN 80/65	200
Floating valve		VH 103..	VH 203..	VH 503..	VH 603..	-	1 1/4"	-	..11	DN 80	285
pressure control valves		VH 120..	VH 220..	VH 520..	VH 620..	..08	1 1/2"	150	..12	DN 100	302
overflow valve		VH 125..	VH 225..	VH 525..	VH 625..	..09	2"	180	..14	DN 150	390
Flow control valves		VH 135..	VH 235..	VH 535..	VH 635..	..10	2 1/2"	212	..15	DN 200	400
						..11	3"	313	..16	DN 250	535
									..17	DN 300	580

**FLOW RESISTANCE**



	<b>BASIC</b>	
	<b>ELECTRIC VALVE</b>	
	<b>BASIC LEVEL CONTROL</b>	
	<b>PRESSURE REDUCER</b>	
	<b>PRESSURE SUSTAIN AND LEVEL CONTROL</b>	
	<b>PUMPING SYSTEMS</b>	
	<b>FLOW CONTROL</b>	
	<b>SAFETY FUNCTION</b>	